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MONTANA OIL AND GAS STATISTICAL BULLETIN

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Vol. XXVII, No. 11 — 4 — NOVEMBER, 1978

PRODUCTION STATUS

Production of crude oil and condensate from the oil and gas areas of Montana for the month of November, 1978 averaged 83,862 barrels daily, a decrease of 2,336 barrels from the average 86,198 production in October.

The six refineries in the state processed 144,858 barrels of crude oil daily for the month of November, an increase of 14,904 barrels from the 129,954 barrels processed daily during the month of October.

During November, 74 wells were completed, 18 oil, 33 gas, and 23 dry holes.

During November, the board issued 73 permits to drill new wells, an decrease of 26 from the 99 permits issued during October.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA MONTH OF NOVEMBER

IN STORAGE: November 1st	
By Producers	379,195
By Transporters	1,576,471
By Refiners	1,789,384
TOTAL STORAGE	3,745,050
Produced in Mont. During Month	2,515,853
Imported During Month	3,288,135
TOTAL	9,549,038
DISPOSITION	
Refined in Montana	4,345,753
Exported	1,769,459
Used for Fuel or Lost	20,858
TOTAL	6,136,070
IN STORAGE: November 30th	
By Producers	381,336
By Transporters	1,476,998
By Refiners	1,554,634
TOTAL STORAGE	3,412,968

REFINERS MONTHLY REPORT NOVEMBER, 1978

Company	Beginning Storage	Montana Crude Oil	N. Dakota Crude Oil	Wyoming Crude Oil	Canada Crude Oil	Refined	Ending Storage
Continental Oil Co.	159,811	207,877	—	365,290	940,071	1,393,265	279,784
Exxon Company	326,584	53,474	—	723,311	400,695	1,320,677	183,387
Farmers Union	1,271,411	106,484	—	382,490	454,333	1,160,757	1,053,961
Kenco Refining	—	92,768	965	—	—	93,733	—
Phillips Petroleum	6,280	175,915	—	—	20,980	195,830	7,345
Wesco Refining Co.	25,298	186,350	—	—	—	181,491	30,157
Totals	1,789,384	822,868	965	1,471,091	1,816,079	4,345,753	1,554,634

	AVERAGE BARRELS RECEIVED PER DAY					PERCENTAGE OF CRUDE OIL RECEIVED			
	Montana	N. Dakota	Wyoming	Canada	Total	Montana	N. Dakota	Wyoming	Canada
Year, 1977	24,632	549	50,405	57,615	133,201	18.49%	.41%	37.84%	43.26%
November, 1977	26,734	529	52,096	61,745	141,104	18.95%	.37%	36.92%	43.76%
November, 1978	27,429	32	49,036	60,536	137,033	20.02%	.02%	35.78%	44.18%

PRODUCERS' REPORT—MONTH OF NOVEMBER, 1978

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
4	Arch Apex	5	2,125	2,309	1,964	—	2,470
2	Ash Creek	3	447	859	800	—	506
1	Bainville	1	3,087	975	920	—	3,142
1	Bainville, West	1	766	1,247	1,301	—	712
4	Bannatyne	8	654	219	402	—	471
5	Bears Den	6	1,482	791	429	—	1,844
14	Bell Creek	171	11,887	519,843	519,889	—	11,841
—	Benrud	—	326	—	—	—	326
3	Benrud, East	3	1,986	8,121	8,246	—	1,861
1	Benrud, Northeast	1	577	922	646	—	853
1	Berthelote	1	437	177	218	—	396
2	Big Gully	2	339	825	1,043	—	121
1	Big Gully, North	1	322	737	321	1	737
3	Big Muddy Creek	3	1,415	6,484	5,460	—	2,439
5	Big Wall	12	1,383	10,453	10,513	—	1,323
1	Big Wall, North	1	188	156	221	1	122
1	Blackfoot	6	520	1,455	1,551	—	424
1	Blue Hill	1	360	2,416	2,130	—	646
5	Border	8	1,059	1,451	1,266	—	1,244
1	Boulder	1	1,453	1,352	1,720	—	1,085
1	Bowes	57	4,444	10,316	10,346	—	4,414
2	Bradley	2	583	507	—	—	1,090
2	Breed Creek	5	1,213	8,664	8,309	—	1,568
5	Brorson-Madison	5	2,175	2,487	2,326	—	2,336
3	Brorson-Red River	3	4,407	2,911	2,197	—	5,121
4	Brorson-Red River, S.	4	3,119	6,979	7,366	—	2,732
4	Brorson, South East	4	1,870	1,973	2,165	—	1,678
6	Brush Lake	6	998	6,704	6,396	—	1,306
1	Burns Creek	1	236	594	437	—	393
2	Cabin Creek	87	—	135,642	135,642	—	—
2	Canal	2	894	2,498	2,496	—	896
11	Cat Creek	59	2,165	8,169	8,262	—	2,072
2	Charlie Creek	2	1,778	14,865	15,435	—	1,208
1	Clark's Fork	1	96	42	—	—	138
1	Clark's Fork, North	1	547	29	—	—	576
1	Clark's Fork, South	1	900	381	—	—	1,281
5	Clear Lake	6	3,029	26,645	27,088	—	2,586
—	Conrad, South	—	90	—	—	—	90
1	Cow Creek	1	365	231	417	—	179
9	Cow Creek, East	11	4,315	16,865	16,456	—	4,724
2	Culbertson	2	986	7,479	7,188	—	1,277
7	Cupton	10	7,057	9,909	11,351	—	5,615
94	Cut Bank	881	34,837	128,001	125,349	(11)	37,500
1	Dagmar	2	722	2,221	2,393	—	550
1	Dean Dome	1	466	94	142	—	418
1	Deer Creek	1	366	619	476	—	509
—	Delphia	—	129	—	—	—	129
—	Devils Basin	—	114	—	—	—	114
6	Dry Creek	6	815	1,468	1,180	—	1,103
2	Dwyer	10	4,159	12,762	14,352	—	2,569
2	Eagle	2	1,256	2,501	2,749	—	1,008
3	Elk Basin	51	475	80,003	79,985	—	493
2	Elk Basin, Northwest	4	1,392	930	892	—	1,430
6	Fairview	10	7,528	20,053	19,739	—	7,842
1	Fertile Prairie	1	280	522	222	—	580
3	Flat Coulee	19	1,757	11,634	11,411	—	1,980
7	Flat Lake	48	2,353	46,926	46,413	—	2,866
4	Flat Lake, South	4	841	3,582	3,214	—	1,209
2	Fort Gilbert	3	1,130	4,577	4,778	—	929
1	Four Mile Creek	1	374	5,633	5,655	—	352
2	Four Mile Creek, West	2	1,188	6,515	6,275	—	1,428
1	Frannie	1	—	900	900	—	—
9	Fred & George Creek	31	4,091	32,837	33,753	—	3,175
1	Froid, South	1	812	595	859	—	548
1	Gage	1	39	114	—	—	153
3	Gas City	10	4,881	6,722	10,398	—	1,205
—	Girard	—	1,275	—	—	—	1,275
11	Glendive	14	1,625	15,555	15,360	—	1,820
2	Golden Dome	2	316	400	385	—	331
12	Goose Lake	19	3,837	16,789	16,853	—	3,773
12	Graben Coulee	37	3,872	3,315	2,231	—	4,956
2	Grandview, East	2	231	428	409	—	250
3	Gumbo Ridge	4	552	3,143	1,953	—	1,742
5	Gypsy Basin	10	768	2,215	1,081	818	1,084
1	Hay Creek-Mission	1	489	553	930	—	112
2	Hay Creek-Red River	2	2,438	2,037	3,183	2	1,290
4	Hiawatha	4	1,964	3,135	3,089	—	2,010
1	Hibbard	1	711	106	203	—	614
9	High Five	15	3,345	23,971	23,711	2	3,603
—	Highview	—	255	—	—	—	255
1	Horse Creek	1	785	88	199	—	674
2	Howard Coulee	2	350	1,855	1,624	58	523
4	Ivanhoe	10	718	2,661	2,434	—	945
—	Jackass Butte	—	514	—	—	—	514
2	Jim Coulee	15	3,379	20,771	21,994	—	2,156
5	Keg Coulee	16	3,751	5,683	6,140	15	3,279
4	Keg Coulee, North	4	1,213	1,572	1,488	3	1,294
1	Kelley	1	956	1,130	1,801	—	285
95	Kevin Sunburst	492	14,426	27,101	27,020	100	14,407
1	Laird Creek	10	1,164	1,666	1,365	—	1,465
5	Leary	5	1,607	2,258	1,969	(3)	1,899
2	Little Beaver	23	142	32,106	32,118	—	130
4	Little Beaver, East	11	1,902	11,019	10,880	—	2,041
15	Little Wall Creek	17	5,439	23,074	24,374	35	4,104
1	Lodge Grass	1	571	160	—	—	731
2	Lone Butte	2	1,058	3,680	3,740	—	998
7	Lonetree Creek	7	3,470	15,812	15,220	—	4,062
1	Long Creek	1	263	508	487	—	284
2	Long Creek, West	2	1,210	4,970	5,376	—	804

PRODUCERS' REPORT—MONTH OF NOVEMBER, 1978—(Continued)

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
3	Lookout Butte (Coral Creek)	30	700	46,921	46,869	—	752
3	Mason Lake	4	696	3,626	3,541	—	781
1	McCabe	1	477	1,694	1,655	—	516
5	Melstone	9	1,726	11,024	10,774	—	1,976
1	Mineral Bench	1	473	332	332	—	473
3	Miners Coulee	3	631	174	41	—	764
18	Mon Dak West	18	11,275	92,300	90,237	—	13,338
9	Monarch	14	3,285	8,827	9,010	—	3,102
3	Mosser	10	—	499	499	—	—
1	Nohly	1	609	4,325	3,913	—	1,021
1	North Fork	2	770	3,736	3,574	—	932
4	Otis Creek	4	2,580	1,160	1,820	—	1,920
5	Outlook	5	1,506	11,346	11,216	—	1,636
1	Outlook, South	1	1,420	130	879	—	671
2	Outlook, West	2	1,573	391	676	—	1,288
1	Oxbow	1	1,004	1,228	1,458	—	774
1	Pennel	114	1,152	237,529	235,721	—	2,960
1	Pete Creek	1	44	98	—	—	142
2	Phantom	3	1,000	2,658	3,102	—	556
4	Pine	128	13,896	192,615	192,541	—	13,970
58	Pondera	268	5,661	22,510	21,845	—	6,326
6	Poplar	63	9,548	28,859	30,900	—	7,507
10	Poplar, Northwest	15	5,181	11,509	12,493	—	4,197
1	Prairie Elk	1	—	189	189	—	—
1	Prichard Creek	4	220	283	—	—	503
1	Putnam	2	700	2,427	2,714	—	413
7	Putnam, East	7	2,288	17,540	16,156	—	3,672
2	Rabbit Hills	2	2,209	2,027	2,135	—	2,101
11	Ragged Point	23	4,255	4,337	4,197	—	4,395
2	Rattler Butte	2	392	2,168	1,721	—	839
2	Rattlesnake Coulee	2	746	197	—	—	943
2	Raymond	5	2,058	15,671	15,631	—	2,098
1	Raymond, Northeast	1	237	1,364	858	—	743
3	Reagon	47	1,028	18,642	18,738	—	932
1	Red Creek	19	—	7,330	7,330	—	—
1	Red Fox	1	138	89	—	—	227
1	Redstone	1	168	1,209	1,101	—	276
1	Repeat	1	260	866	866	—	260
4	Reserve	4	3,568	7,175	7,802	—	2,941
2	Richey	3	577	1,600	1,600	—	577
1	Richey, Southwest	4	681	986	742	—	925
2	RipRap Coulee	2	810	1,364	1,439	—	735
4	Rosebud	4	1,146	1,665	1,528	—	1,283
1	Rush Mountain	1	263	1,793	1,899	—	157
2	Salt Lake	3	315	1,943	1,809	—	449
2	Sand Creek	4	402	2,208	2,208	84	318
4	Second Creek	4	1,510	8,611	9,200	—	921
2	Sheepherder	3	628	396	820	(4)	208
1	Shotgun Creek, North	1	299	2,553	2,573	—	279
8	Sidney	8	3,925	13,352	12,128	—	5,149
7	Sioux Pass	7	4,625	15,854	14,237	—	6,242
1	Sioux Pass, East	1	313	580	644	—	249
2	Sioux Pass, Middle	2	793	7,799	7,226	—	1,366
5	Sioux Pass, North	5	3,184	9,643	8,853	—	3,974
1	Snyder	3	424	619	—	—	1,043
9	Soap Creek	23	3,220	4,721	4,686	—	3,255
2	Soap Creek, East	3	345	1,408	770	—	983
3	South Fork	3	2,124	15,620	15,739	—	2,005
1	Spring Lake	2	1,088	1,422	1,715	—	795
1	Stensvad	2	1,147	175	—	—	1,322
30	Sumatra	100	14,774	124,135	126,222	95	12,592
2	Sunnyhill	2	608	2,228	2,520	—	316
1	Tippy Buttes	1	247	141	205	—	183
4	Tule Creek	4	1,868	10,210	9,801	—	2,277
1	Tule Creek, East	1	890	1,007	1,488	—	409
3	Tule Creek, South	3	1,245	611	1,044	—	812
3	Utopia Swift	10	1,792	4,538	5,124	—	1,206
10	Vaux	10	7,965	17,751	17,823	—	7,893
1	Vida	1	244	107	194	—	157
5	Volt	6	3,241	7,184	7,153	—	3,272
1	Wagon Box	1	230	42	—	—	272
1	Weed Creek	1	209	126	203	—	132
3	Weldon	3	2,132	1,977	1,816	—	2,293
—	West Butte	—	182	—	—	—	182
28	Whitlash	62	16,207	13,120	14,039	—	15,288
1	Whitlash, West	1	399	18	—	—	417
2	Willow Creek, North	2	516	742	692	—	566
1	Willow Ridge	3	—	638	638	—	—
3	Wills Creek, South	3	—	3,745	3,745	—	—
3	Winnett Junction	6	466	9,661	9,467	—	660
3	Wolf Springs	3	1,008	5,582	5,092	—	1,498
—	Womans Pocket	—	271	—	—	—	271
2	Woodrow	2	420	1,588	1,512	—	496
2	Wright Creek	3	930	871	1,207	—	594
—	Wildcat, McCone County	—	52	—	—	—	52
1	Wildcat, Musselshell County	1	123	130	199	—	54
5	Wildcat, Richland County	5	2,524	9,272	9,083	—	2,713
2	Wildcat, Roosevelt County	2	836	7,359	6,730	—	1,465
1	Wildcat, Sheridan County	1	602	6,599	6,874	—	327
—	Wildcat, Toole County	—	200	—	—	—	200
2	Wildcat, Wibaux County	2	1,040	5,502	5,626	—	916
865	TOTAL	3,473	379,195	2,515,853	2,512,516	1,196	381,336

See back page for oil production, shipping and storage summaries

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA AT 14.73 PSIA and 60° F.—MONTH OF NOVEMBER, 1978

Field	MC. Ft.
NATURAL:	
Alma	262
Battle Creek	337,442
Bear's Den	—
Big Coulee	141,987
Big Rock	116,177
Black Coulee	4,514
Blackjack	22,323
Bowdoin	757,987
Bowes	38,180
Brown's Coulee	1,644
Bullwacker & Area	122,902
Canadian Coulee	16,162
Cedar Creek	173,610
Chip Creek	1,452
Clark's Fork, North	183
Coal Coulee	4,034
Cut Bank	248,177
Dry Creek	78,019
Dry Creek, Middle	1,866
Dunkirk North	29,711
East Chinook	4,887
Flat Coulee	1,917
Fresno	31,881
Gold Butte	265
Grandview	28,275
Gypsy Basin	19,339
Hardin	2,264
Haystack Butte	20,508
Highview	45,638
Keith Block	52,463
Kevin Sunburst	30,979
Kevin Sunburst Nisku & Area	12,899
Kicking Horse	20,457
Kinyon Coulee Area	6,231
Lake Basin	13,685
Ledger	8,630
Leroy	96,416
Liscom Creek	15,443
Lohman	—
Middle Butte	7,456
Miners Coulee	14,779
Mt. Lilly	119
Phantom	5,240
Plevna	3,640
Prairie Dell	46,698
Pumpkin Creek	20,159
Rapelje	7,114
Rocky Boy Area	8,613
Rudyard	—
Sage Creek	—
Sawtooth Mountain & Area	137,506
Sherard	69,732
Snoose Coulee	10,190
South Devon	14,416
South Shelby	30,962
Strawberry Creek Area	5,490
Swanson Creek	3,924
Tiger Ridge	1,152,640
Trail Creek	—
Utopia	6,375
West Butte	—
Whitlash	49,852
Willow Ridge	7,956
TOTAL NATURAL GAS	4,110,670

Field	MC. Ft.
ASSOCIATED:	
Bell Creek	34,019
Big Muddy Creek	3,450
Blue Hill	2,265
Clark's Fork South	13,654
Coral Creek	2,933
Culbertson	8,575
Elk Basin	9,077
Fairview	12,340
Four Mile Creek	5,386
Four Mile Creek, West	5,096
Glendive	—
Mon Dak West	58,184
Otis Creek	286
Pennel	6,124
Richland	41,435
Sioux Pass	13,875
Sioux Pass, East	616
Sioux Pass, Middle	6,220
Sioux Pass, North	5,559
Sumatra	5,650
Tule Creek	4,950
TOTAL ASSOCIATED GAS	239,694
TOTAL WITHDRAWALS	4,350,364

Total withdrawals for November, 1977, were 3,976,657 MCF.

Total oil produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1977	32,680,054	89,534	32,202,122	88,225
1st Quarter, 1978	7,228,897	80,321	7,188,700	79,874
2nd Quarter, 1978	7,661,483	84,192	7,659,476	84,170
3rd Quarter, 1978	7,802,313	84,808	7,779,251	84,557
October, 1978	2,672,145	86,198	2,677,105	86,358
November, 1978	2,515,853	83,862	2,512,516	83,751

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage	Total In Storage
December, 1977	351,530	1,438,975	1,421,444	3,211,949
March, 1978	382,596	1,470,247	1,432,055	3,284,898
June, 1978	370,202	1,578,927	1,488,928	3,438,057
September, 1978	385,582	1,474,463	1,780,846	3,640,891
October, 1978	379,195	1,576,471	1,789,384	3,745,050
November, 1978	381,336	1,476,998	1,554,634	3,412,968